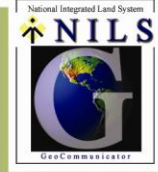
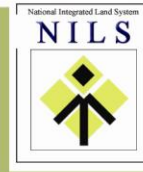


NILS



www.blm.gov/nils
www.geocommunicator.gov

National Integrated Land System

Data Themes and Layers - Public

The following data themes are maintained in the National Integrated Land System (NILS) through the Survey Management (SM), Measurement Management (MM) or the Parcel Management (PM) transaction modules. The data from NILS is made available to the public for access (interactive mapping), streaming (map services), web services, and downloading through NILS' GeoCommunicator (www.geocommunicator.gov). Data in NILS is maintained in the BLM's Legacy Rehost System (LR2000), the Facility Asset Management System (FAMS), and the Protection and Response Information System (PRIS).

All services are image services unless indicated as Feature. All map services use the URL: <http://www.geocommunicator.gov>. Data can be exported into many formats using the feature services. Please read the Data Disclaimer at the end of the document before using the system.

Data available as a map service, downloadable data, and/or in a mapping application

<p>PLSS (Public Land Survey System)</p> <p>Service Name: BLM_MAP_PLSS BLM_LSYS_wms BLM_FEATURE_PLSS</p> <p>Downloadable from Land Survey Information Section of GeoCommunicator.</p>	<p>Graphic representation of PLSS including Meridians, Township, Range, Sections, subdivisions, and special surveys (not fully populated) providing the foundation for a multipurpose cadastre. Includes BLM's GCDB data and alternate source data from other federal and state agencies including the USFS. This data layer contains both survey and unsurveyed data.</p> <p>Option to download for all points, points/lines, and coordinates in many formats when using the download tool on GeoCommunicator.</p>
<p>Surface Management Agency</p> <p>Service Name: BLM_MAP_SURFACE_MGT_AGY BLM_FEATURE_SURFACE_MGT_AGY</p>	<p>Boundaries of all federal surface management agencies in the U.S. May include other state and county lands.</p>
<p>Land & Mineral Use Record Data (pending, authorized, active, and closed cases)</p> <p>Access to Serial Register Page and Township Geographic Reports from LR2000. Access to BLM State online Master title plats.</p> <p>Service Name: BLM_MAP_GEOTHERMAL BLM_FEATURE_GEOTHERMAL</p>	<p>BLM_MAP_SOLID_MINERALS BLM_FEATURE_SOLID_MINERALS</p> <ul style="list-style-type: none"> • Coal Leases • Coal Logical Mining Units • Known Leasing Areas – phosphate, etc • Other Solid Mineral Leases, Permits, and Licenses <p>BLM_Other_Lease_wms BLM_FEATURE_OTHER_LEASES</p> <ul style="list-style-type: none"> • Mineral Materials Disposal • Non-mineral Uses, Land Use Leases and Permits • Oil & Gas Sale Parcels. Access to State Office sale website and sale notice.

<ul style="list-style-type: none"> • Geothermal Leases & Agreements BLM_MAP_MINING_CLAIMS BLM_FEATURE_MINING_CLAIMS • Mining Claims • Mine Plans and Notices • Mining Claim Density BLM_MAP_OIL_AND_GAS BLM_FEATURE_OIL_AND_GAS • O&G Leases & Agreements • Stipulations • O&G Density- EPCA Study Areas • O&G Lease sale parcels 	<ul style="list-style-type: none"> • Rights-of-Way (power transmission, roads, railroads, pipelines, telephone, wind and solar energy) BLM_PARCELS_wms • All parcel cases BLM_SUBSURFACE • BLM subsurface mineral estate for WY and NM. BLM_MAP_ROW, BLM_FEATURE_ROW (power transmission, pipelines, roads, communication, railroads, telephone, DoD consultation areas, etc.) BLM_MAP_SOLAR, BLM_FEATURE_SOLAR Solar applications, authorizations, solar study areas, DoD consultation areas BLM_MAP_WIND, BLM_FEATURE_WIND Wind applications, authorizations, DoD consultation areas
<p>Cases that Affect Land Status (CASES)</p> <p>Access to Serial Register Page and Township Geographic Reports from LR2000.</p> <p>Service Name: BLM_CASES_wms BLM_MAP_CASES BLM_FEATURE_CASE*</p>	<ul style="list-style-type: none"> • Acquisitions • Corrective Actions (e.g. Deeds, Transfer Jurisdiction) • Designated Areas • Exchanges • Grants (e.g. State Grants) • Land Disposals (e.g. Homestead & Desert Land Entry) • Land Sales • Mineral Patents • Pending Exchanges • Public Law 167 • Withdrawals & Classifications
<p>Rangelands</p> <p>Service Name: BLM_RANGELAND_wms BLM_MAP_RANGELAND BLM_FEATURE_RANGELAND</p>	<ul style="list-style-type: none"> • BLM and USFS Allotment/Pasture boundaries • Wild Horse and Burro Herd and Management Areas <p>Access to the Allotment Master and Allotment Use Report from the Range Authorization System (RAS).</p>
<p>Site Mapper – Sites</p> <p>Service Name: BLM_SITES_wms</p>	<ul style="list-style-type: none"> • BLM Abandoned Mines includes information from PRIS • Abandoned Mines from other agencies: State of California, EPA, MSHA, OSM, USFS, USGS • Administration Sites - includes information from FAMS • Buildings - includes information from FAMS • Campgrounds - includes information from FAMS • Recreation Sites - includes information from FAMS • Impaired Watersheds • Section 303 Listed Waters
<p>Healthy Lands</p> <p>This viewer is in development and will include more environmental layers in the future.</p>	<ul style="list-style-type: none"> • Administration Sites - includes information from FAMS • Buildings - includes information from FAMS • Campgrounds - includes information from FAMS • Recreation Sites - includes information from FAMS • Range Allotments • Watersheds • Reference and base maps
<p><i>NILS' GeoCommunicator – www.geocommunicator.gov</i> <i>BLM Reference Themes</i></p>	
<p>Base Maps/References</p> <p>Service Name: BLM_MAP_BASEMAPS BLM_BASEMAPS_wms BLM_FEATURE_BASEMAPS</p>	<p>Base Maps</p> <ul style="list-style-type: none"> • County Boundaries • State Boundaries • Urban Areas • Major Roads <p>Online Reference themes not available as map services</p> <ul style="list-style-type: none"> • Color Shaded Relief

	<ul style="list-style-type: none"> • Digital Raster Graphics (DRG's) – topographic maps • Digital Ortho Quads (DOQ's) - imagery • Lakes • PLSS Principal Meridians • Street Maps
NILS GeoCommunicator Web Services Web services are used for tools in GeoCommunicator or they can be used by developers to create their own interface and send data to the web service.	
Geocoder	Geocoder allows for the conversion of Latitude and Longitude (Lat/Long) values into Township, Range, and Section values. Likewise, Township, Range, and Section values can be converted into polygon centroids in Lat/Long format.
Find Land Description (LD)	A web service that allows you to enter in a land description by different methods and have a set of coordinates and the polygon on a map returned.
Derive Land Description (LD)	A web service that allows you to draw a sketch on the map and have the land description and the coordinates returned.
Survey Exporter	Export survey points, points/lines, or coordinates for a township in kml, list, GeoRSS or GPX formats.

Instructions on how to use the Map and Feature Services in different viewers is available on the GeoCommunicator website under [Map and Data Services Section](#). Metadata is available from the [Metadata Section](#).

When using NILS GeoCommunicator's map viewers and the Identify tools look for links to the BLM systems where the attribute data is managed and stored, such as LR2000 and the Range Authorization System (RAS). Users in NILS GeoCommunicator can go back and forth from the graphic representation in the GIS to the detailed attribute data in the transaction systems. NILS is a joint development project between the BLM and the USFS.

Data Disclaimer

*The graphical display of land and mineral parcels and mining claims are NOT a substitute for the official BLM record. Most of the cases from the BLM's National Integrated Land System and the BLM's Legacy Rehost LR2000 (LR2000) are displayed in GeoCommunicator, although not all. Therefore, **there are land and mineral records and mining claims issued and recorded by the BLM and maintained in LR2000 or other systems that occur on the land but are not in GeoCommunicator and therefore do not show up on the map.** Please refer to the LR2000 reports (<http://www.blm.gov/lr2000>) for a complete list of land and mineral records and mining claims. Unpatented mining claims are generally "nominally" recorded to the quarter section. The actual location of the mining claims is somewhere in the mapped areas. See GeoCommunicator's "What's New", "About", and "Reference" sections for more information.*

Many of our map layers include data from other agencies including abandoned mines, surface management agency boundaries, Topo maps, imagery, lakes, rivers, streams, etc. The USDOJ does not control the relevance, timeliness, or accuracy of information provided by other agencies, and therefore, provides no warranty, expressed or implied, as to the accuracy, reliability or completeness of furnished data. For additional information regarding abandoned mine activities, please contact the Land Management Agency responsible for the public lands where the mine is located.

The data on GeoCommunicator can be used for information, mapping, graphics, and planning purposes only. Although this data is made available by the BLM, no warranty, expressed or implied, including accuracy, relevancy, timeliness, utility or completeness of the data and information is made by the BLM, nor shall the act of distribution constitute any such warranty for individual or aggregate data use with other data. The BLM shall not be held liable for improper use of the data described and/or contained herein. By using this data you hereby agree to these conditions. The BLM survey data is intended for mapping purposes only and is not a substitute for an official land survey.

Use the "Contact Us" on NILS GeoCommunicator web site for additional help or questions:
<http://www.geocommunicator.gov> V0809



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